

Index

A

- aeromedical evacuations, 7-7
- AFFF. *See* aqueous film-forming foam (AFFF).
- aircraft emergencies
 - building crashes, 7-15
 - communication methods
 - airfield-flag method, 7-2
 - light signal system, 7-2
 - primary crash line, 7-2
 - secondary crash line, 7-2
 - extinguishment, 7-20
 - fire risks
 - mild, 7-2
 - moderate, 7-2
 - severe, 7-2
 - helicopter crashes, 7-16
 - hillside crashes, 7-15
 - initial attack, 7-16
 - no-fire crashes, 7-16
 - nose-dive crash, 7-15
 - off an airfield, 7-6
 - on an airfield, 7-4
 - overhaul, 7-20
 - positioning fire trucks, 7-16
 - rescue entrances, 7-16
 - cut-in type, 7-17
 - emergency type, 7-17
 - standard type, 7-17
 - rescuing victims, 7-18
 - responding personnel
 - aviation maintenance officer, 7-5
 - aviation safety officer, 7-5
 - chaplains, 7-5
 - fire chief or SFO, 7-5
 - fire-fighting and rescue crews, 7-4
 - medical/ambulance crews, 7-4
 - photographer, 7-5
 - provost marshal, MP, or guard personnel, 7-5
 - public affairs officer, 7-5
 - response procedures, 7-16
 - response teams
 - Group I, 7-3
 - Group II, 7-3
 - Group III, 7-3
 - water crashes, 7-15
 - wheel, brake, and tire fires, 7-15
 - wheels-up landings, 7-15
- aircraft emergency information, 7-1
- aircraft systems, 7-9
 - color-code designations, 7-9
 - electrical system, 7-11
 - extinguishing system, 7-11
 - fuel system, 7-11
 - hydraulic system, 7-11
 - oxygen-supply system, 7-12
- ambulance crews. *See* aircraft emergencies, responding personnel, medical/ambulance crews.
- ammonia. *See* hazardous material (HAZMAT), ammonia.
- ammunition supply point (ASP), 1-2
- ammunition. *See* fire fighting, fires involving ordnance.
- AO. *See* area of operation (AO).
- APU. *See* auxiliary power unit (APU).
- aqueous film-forming foam (AFFF), 2-6
- area of operation (AO), 1-1
- area support group (ASG), 1-2
- ASG. *See* area support group (ASG).
- ASP. *See* ammunition supply point (ASP).
- auxiliary power unit (APU), 2-5
- AVGAS. *See* aviation gasoline (AVGAS).
- aviation gasoline (AVGAS), 7-13
- aviation maintenance officer. *See* aircraft emergencies, responding personnel, aviation maintenance officer.
- aviation safety officer. *See* aircraft emergencies, responding personnel, aviation safety officer.

B

- bare base (BB), 4-2
- base operability (BO), 4-8
- base-defense operations center (BDOC), 4-11
- BB. *See* bare base (BB).

BDOC. *See* base-defense operations center (BDOC).
beryllium. *See* hazardous material (HAZMAT), beryllium.
bleach in water (HTH), 10-10
blister agents. *See* fire fighting, fires involving blister agents.
blood agents. *See* fire fighting, fires involving blood agents.
BO. *See* base operability (BO).
Bourdon pressure gauge, 5-7
brake fires. *See* aircraft emergencies, wheel, brake, and tire fires.
building crashes. *See* aircraft emergencies, building crashes.
building features, 8-4
 doors, 8-8
 floors, 8-7
 locks and fasteners, 8-8
 types of exterior walls, 8-4
 masonry, 8-4
 masonry veneered, 8-4
 metal, 8-6
 wooden frame, 8-5
 types of roofs, 8-6
 composition, 8-7
 metal, 8-7
 shingled, 8-6

C

C². *See* command and control (C²).
camouflage, concealment, and deception (CCD), 4-6
camouflage. *See* fire prevention, and camouflage during an FTX.
carbon dioxide (CO₂), 10-2
carbon-graphite composite fibers. *See* hazardous material (HAZMAT), carbon-graphite composite fibers.
cardiopulmonary resuscitation (CPR), 8-22
carrying a victim. *See* victim carries.
CASP. *See* chemical ammunition supply point (CASP).
cave-ins. *See* searching and rescuing victims, at cave-ins.
CCD. *See* camouflage, concealment, and deception (CCD).
ceilings. *See* forcible entry, through ceilings.
chaplains. *See* aircraft emergencies, responding personnel, chaplains.

chemical ammunition supply point (CASP), 1-2
chemical warfare (CW), 4-3
chemical weapons. *See* fire fighting, fires involving chemical weapons.
chemical-warfare-defense equipment (CWDE), 4-1
choking agents. *See* fire fighting, fires involving choking agents.
COB. *See* collocated operating base (COB).
collocated operating base (COB), 4-10
command and control (C²), 1-2
contingency operations, 4-1, 4-2
corps storage area (CSA), 1-2
corps support group (CSG), 1-2, 3-4
CPR. *See* cardiopulmonary resuscitation (CPR).
CSA. *See* corps storage area (CSA).
CSG. *See* corps support group (CSG).
CW. *See* chemical warfare (CW).
CWDE. *See* chemical-warfare-defense equipment (CWDE).

D

DA. *See* Department of the Army (DA).
Department of Defense (DOD), 2-1
Department of Defense Instruction (DODI), 4-12
Department of the Army (DA), 2-1
 and the fire-protection program, 2-1
Department of Transportation (DOT), 10-2
 Class A explosives, 10-2
 Class B explosives, 10-2
depleted uranium. *See* hazardous material (HAZMAT), depleted uranium.
division support area (DSA), 1-2
DOD. *See* Department of Defense (DOD).
DODI. *See* Department of Defense Instruction (DODI).
doors. *See* building features, doors; forcible entry, on doors.
DOT. *See* Department of Transportation (DOT).
drafting sites. *See* water supplies, drafting sites.
DSA. *See* division support area (DSA).

E

emergency room personnel. *See* aircraft emergencies, responding personnel, medical/ambulance crews.
enemy prisoner of war (EPW), 3-4

Energy Research and Development

Administration (ERDA), 10-12

EOD. *See* postattack, and explosive-ordnance disposal (EOD).

EOR. *See* explosive-ordnance reconnaissance (EOR).

EPW. *See* enemy prisoner of war (EPW).

ERDA. *See* Energy Research and Development Administration (ERDA).

evacuating injured personnel, 7-7

explosive-ordnance reconnaissance (EOR), 4-3

explosives. *See* fire fighting, fires involving ordnance.

F

fans. *See* ventilating, using portable fans.

FARP. *See* forward arming resupply point (FARP).

FC-77. *See* hazardous material (HAZMAT), FC-77.

FCC. *See* fire communications center (FCC).

fire chief. *See* aircraft emergencies, responding personnel, fire chief or SFO.

fire communications center (FCC), 3-1, 7-1

fire divisions, 10-2

See also fire symbols.

division 1, 10-2

hazard class 1.1, 10-2

division 2, 10-2

hazard class 1.2, 10-2

division 3, 10-2

hazard class 1.3, 10-2

division 4, 10-3

hazard class 1.4, 10-3

fire extinguishers. *See* fire prevention, using

fire extinguishers during an FTX.

fire fighting

crews. *See* aircraft emergencies, responding personnel, fire-fighting and rescue crews.

drills, 2-3

fires involving blister agents, 10-10

fires involving blood agents, 10-10

fires involving chemical weapons, 10-9

fires involving choking agents, 10-10

fires involving nerve agents, 10-9

fires involving nuclear weapons/
components, 10-11

fires involving ordnance, 10-8

division 3, 10-9

division 4, 10-9

divisions 1 and 2, 10-8

fires involving riot-control agents, 10-10

HAZMAT fires and incident commander's responsibilities, 11-2

operations. *See* hazardous material (HAZMAT), fire-fighting operations involving.

teams, 1-1

See also logistics bases, fire-fighting teams and planning for; tactical petroleum terminal (TPT), training for fire-fighting teams.

and the threat, 1-1

and training, 1-1

initial-response type, 11-1

LA, 2-2, 3-1, 3-3, 9-1, 9-4

LB, 1-1, 1-2, 2-2, 2-3, 3-3, 6-1, 7-7, 9-1

LC, 2-2, 2-3, 3-3, 6-1

mission statement, 1-2

protecting hospitals, 9-5

protecting interment and dislocated-civilian camps, 9-4

responding to HAZMAT incidents, 11-2

supporting Force XXI, 1-1

tools and equipment, 2-4

wartime tasks, 3-1

acquiring the commander's priority list, 3-2

assigning shifts, 3-1

conducting fire-prevention inspections of facilities, 3-3

determining manning requirements, 3-1

determining radio status and call signs, 3-2

developing mutual-aid agreements, 3-2

ensuring that protective measures are taken, 3-3

establishing resupply channels, 3-3

initiating a training program, 3-3

initiating and FCC, 3-2

inventorying equipment and supplies, 3-2

locating fire-fighting assets, 3-3

locating vehicle maintenance personnel and assets, 3-2

making a fire-fighting plan, 3-2

preparing a response chart, 3-3

selecting dispersal sites, 3-2

- fire hydrants, 5-6
 - dry-barrel type, 5-6
 - flow test, 5-6
 - discharge calculation, 5-7
 - velocity pressure calculations, 5-7
 - locations and spacing, 5-6
 - wet-barrel type, 5-6
- fire marshal, 2-1
- fire prevention, 5-1
 - and camouflage during an FTX, 5-11
 - and natural-cover fires, 5-3
 - and prefire plans, 5-2
 - for aircraft crash/rescue operations, 5-2
 - runway conditions, 5-3
 - and smoking during an FTX, 5-8
 - during a field training exercise (FTX), 5-8
 - regulations, 5-1
 - using fire extinguishers during an FTX, 5-12
 - using flares and smoke grenades during an FTX, 5-9
 - using heaters during an FTX, 5-9
 - using matches during an FTX, 5-8
 - using open fires during an FTX, 5-9
 - using storage areas during an FTX, 5-11
 - using tents during an FTX, 5-10
 - using vehicles during an FTX, 5-10
- fire protection
 - and engineers, 2-1
 - and natural disasters, 5-3
 - and other agencies, 2-1
 - at space-vehicle test or launch sites, 5-3
 - elements, 4-4
 - programs, 2-2
 - training, 2-1
 - wartime mission, 4-1
- fire symbols. *See* symbols, for fires.
- fire truck, 2-5
 - See also* aircraft emergencies, positioning fire trucks.
 - commercial structural pumper, 2-6
 - commercial tanker, 2-6
 - maintenance, 2-6
 - military-adapted commercial item (MACI), 2-5, 3-1
 - mini-pump, 2-6
 - Model A/S230-19 crash truck, 2-5
 - skid-mounter pumping unit, 2-6
 - tactical tanker, 2-6
- fire-protection operational-readiness inspection (FPORI), 2-1
- fire-protection requirements, 1-1
 - planning for, 1-1
- fires
 - calculating various losses, 8-35
 - clean-up operations at the fire station, 8-36
 - confining them, 8-26
 - exterior type, 8-26
 - final actions, 8-35
 - initial-investigation procedures, 8-31
 - interior type, 8-26
 - investigating its cause, 8-34
 - locating them, 8-26
 - searching for its origin, 8-33
 - examining glass, 8-33
 - examining metal, 8-34
 - examining wood, 8-33
- first responders
 - tasks, 11-7
 - controlling entry to an incident, 11-7
 - decontaminating equipment and personnel, 11-7
 - providing basic support, 11-8
 - providing medical support, 11-8
- fixed-wing aircraft, 7-9
- flammable materials in aircraft, 7-13
- flares. *See* fire prevention, using flares and smoke grenades during an FTX.
- floors. *See* building features, floors.
- flow test. *See* fire hydrants, flow test.
- FOB. *See* forward operating base (FOB).
- fog streams. *See* ventilating, using fog streams.
- foot (feet) per minute (fpm), 6-2
- forcible entry, 8-8
 - and locks, 8-10
 - on doors, 8-8
 - double type, 8-9
 - fire type, 8-9
 - latched type, 8-9
 - overhead type, 8-8
 - rabbeted-frame type, 8-9
 - single-hinged type, 8-9
 - stopped-frame type, 8-9
- safety precautions during an operation, 8-11
 - through ceilings, 8-10
 - through walls, 8-10
 - through windows, 8-9
 - basement type, 8-10
 - casement type, 8-10
 - check-rail type, 8-10
 - factory-type, 8-9

forward arming resupply point (FARP), 7-1, 7-7
 forward operating base (FOB), 3-4, 4-2
 fpm. *See* foot (feet) per minute (fpm).
 FPORI. *See* fire-protection operational-readiness inspection (FPORI).
 FTX. *See* fire prevention, during a field training exercise (FTX).

G

gallon(s) per minute (GPM), 2-5
 GPM. *See* gallon(s) per minute (GPM).
 grid maps, 7-6
 grid system. *See* water supplies, grid system.
 guards. *See* aircraft emergencies, responding personnel, provost marshal, MP, or guard personnel

H

hazardous material (HAZMAT), 1-2, 9-5, 10-1
 ammonia, 7-8
 beryllium, 7-8
 carbon-graphite composite fibers, 7-8
 depleted uranium, 7-8
 effects of exposure to, 11-9
 FC-77, 7-8
 fire incidents in a TO, 11-1
 fire-fighting operations involving
 commanders's responsibilities, 10-1
 fire-department responsibilities, 10-1
 support from other agencies, 10-1
 fires
 involving missiles, 11-15
 inert type, 11-15
 ones with warheads, 11-16
 partially completed type, 11-15
 involving nuclear materials, 11-13
 involving rail cars, 11-14
 involving tactical vehicles, 11-14
 involving transport vehicles, 11-14
 involving weapon-storage facilities, 11-13
 when testing a weapon, 11-14
 hexachloroethane (HC), 10-2
 hydrazine, 7-8
 incidents, 3-1
 liquid and gaseous oxygen, 7-8
 liquid hydrogen, 7-8

 lithium thionylchloride, 7-8
 magnesium, 7-8, 10-2
 medical treatment during an incident, 11-10
 nitrogen tetroxide, 7-8
 operations, 2-2
 protection from, 11-9
 responding to an incident, 11-2
 controlling access to the incident, 11-4
 evaluating the risk, 11-5
 evaluating victims, 11-6
 identifying the hazard, 11-5
 isolating the hazard, 11-4
 reevaluating the incident, 11-7
 rescuing victims, 11-5
 securing the area, 11-4
 sizing up/establishing command, 11-3
 staging resources, 11-6
 safety procedures during an incident, 11-8
 suits, 2-4
 sulfurhexafluoride gas (SF-6), 7-8
 tools to use in an incident, 11-12
 triethylborine (TEB), 7-8, 7-14
 white phosphorus (WP), 10-2
 working in a dangerous area, 11-10
 HAZMAT. *See* hazardous material (HAZMAT).
 HC. *See* hazardous material (HAZMAT), hexachloroethane (HC).
 headquarters (HQ), 2-1
 heaters. *See* fire prevention, using heaters during an FTX.
 helicopters, 7-9
 See also aircraft emergencies, helicopter crashes.
 hillside crashes. *See* aircraft emergencies, hillside crashes.
 HN. *See* host nation.
 HNS. *See* host-nation support (HNS).
 hospitals. *See* fire fighting, teams, protecting hospitals.
 host nation (HN), 2-2
 host-nation support (HNS), 2-3
 HQ. *See* headquarters (HQ).
 HTH. *See* bleach in water (HTH).
 hydrazine. *See* hazardous material (HAZMAT), hydrazine.
 hydrogen. *See* hazardous material (HAZMAT), liquid hydrogen.

I

intermediate-support base (ISB), 3-4
ISB. *See* intermediate-support base (ISB).

J

jet fuels, 7-14
 Jet A, 7-14
 Jet B, 7-14

L

line of sight (LOS), 4-7
liquid oxygen (LOX), 7-12
lithium thionylchloride. *See* hazardous material (HAZMAT), lithium thionylchloride.
locks and fasteners. *See* building features, locks and fasteners.
logistics bases, 9-4
 fire-fighting teams and planning for, 9-4
 handling HAZMATs, 9-4
 other fire-fighting missions, 9-4
logistics-storage area (LSA), 3-4
LOS. *See* line of sight (LOS).
LOX. *See* liquid oxygen (LOX).
LSA. *See* logistics-storage area (LSA).

M

MACI. *See* fire truck, military-adapted commercial item (MACI).
MACOM. *See* major Army command (MACOM).
magnesium. *See* hazardous material (HAZMAT), magnesium.
main operating base (MOB), 4-2
major Army command (MACOM), 4-4
Martin-Baker ejection seat, 7-13
matches. *See* fire prevention, using matches during an FTX.
meals, ready to eat (MRE), 5-10
MEDEVAC. *See* medical evacuation (MEDEVAC).
medical evacuation (MEDEVAC), 1-2
medical personnel. *See* aircraft emergencies, responding personnel, medical/ambulance crews.
METL. *See* mission-essential task list (METL).
mile(s) per hour (mph), 2-5

military police (MP), 2-2

See also aircraft emergencies, responding personnel, provost marshal, MP, or guard personnel.

mission-essential task list (METL), 1-1
mission-oriented, protective posture (MOPP), 4-6

MOB. *See* main operating base (MOB).

MOPP. *See* mission-oriented, protective posture (MOPP).

MP. *See* military police (MP).

mph. *See* mile(s) per hour (mph).

MRE. *See* meals, ready to eat (MRE).

N

NASP. *See* nuclear ammunition supply point (NASP).

National Fire Protection Association (NFPA), 2-4

NBC. *See* nuclear, biological, chemical (NBC).
nerve agents. *See* fire fighting, fires involving nerve agents.

NFPA. *See* National Fire Protection Association (NFPA).

nitrogen tetroxide. *See* hazardous material (HAZMAT), nitrogen tetroxide.

no-fire crashes. *See* aircraft emergencies, no-fire crashes.

NOMEX clothing, 2-4

nongrid system. *See* water supplies, nongrid system.

nose-dive crashes. *See* aircraft emergencies, nose-dive crashes.

nuclear ammunition supply point (NASP), 1-2

nuclear weapons/components. *See* fire fighting, fires involving nuclear weapons/components.

nuclear, biological, chemical (NBC), 3-2

O

open fires. *See* fire prevention, using open fires during an FTX.

ordnance, 7-12

See also fire fighting, fires involving ordnance.

overhaul operations, 8-27, 8-31

 checking a building's structural condition, 8-31

 checking for hidden fires, 8-31

oxygen. *See* hazardous material (HAZMAT), liquid and gaseous oxygen.

P

PASS. *See* personal alert safety system (PASS).
 personal alert safety system (PASS), 2-4
 personal protective equipment (PPE), 2-4
 communicating when wearing acid suits, 11-11
 during a HAZMAT incident, 11-11
 removing equipment during a HAZMAT incident, 11-11
 working with an air supply, 11-11
 petroleum, oils, and lubricants (POL), 1-2
 photographer. *See* aircraft emergencies, responding personnel, photographer.
 POL. *See* petroleum, oils, and lubricants (POL).
 postattack, 4-8
 and a fire chief, 4-8
 and avoiding contamination, 4-11
 and damaged facilities, 4-10
 and decontamination, 4-10
 and explosive-ordnance disposal (EOD), 4-10
 and fire spread, 4-9
 and fire vehicles, 4-10
 fire-fighting operations, 4-8
 pound(s) per square inch (psi), 2-5
 power take-off (PTO), 2-6
 PPE. *See* personal protective equipment (PPE).
 preattack, 4-1, 4-3
 performing critical actions, 4-6
 planning for fire protection, 4-4
 training for fire prevention, 4-6
 prefire plans. *See* structural fires, prefire plans.
 protecting material during a fire, 8-27
 provost marshal. *See* aircraft emergencies, responding personnel, provost marshal, MP, or guard personnel.
 proximity gear, 2-4
 psi. *See* pound(s) per square inch (psi).
 PTO. *See* power take-off (PTO).
 public affairs officer. *See* aircraft emergencies, responding personnel, public affairs officer.

R

RADCON. *See* radiological-contamination (RADCON) teams.
 radiological emergency medical team (REMT), 10-12
 radiological-contamination (RADCON) teams, 10-12

reattack, 4-12
 and fire protection, 4-12
 regulations. *See* fire prevention, regulations.
 REMT. *See* radiological emergency medical team (REMT).
 rescue crews. *See* aircraft emergencies, responding personnel, fire-fighting and rescue crews.
 rescue operations
 in a building, 8-16
 response kits. *See* hazardous material (HAZMAT), tools to use in an incident.
 riot-control agents. *See* fire fighting, fires involving riot-control agents.
 roofs. *See* building features, types of roofs; ventilating, roofs.

S

salvage covers, 8-28
 conventional type, 8-28
 maintenance of, 8-28
 throws and spreads, 8-28
 catch basin, 8-29
 counter payoff, 8-29
 one-man throw, 8-28
 two-man spread, 8-28
 water chute, 8-29
 salvage operations, 8-27
 SCBA. *See* self-contained breathing apparatus (SCBA).
 search and rescue operations, 7-7
 searching and rescuing victims, 8-18
 and emergency medical treatment, 8-22
 at cave-ins, 8-21
 by tunneling, 8-21
 from vehicles, 8-21, 8-22
 in collapsed buildings, 8-18
 in contact with electrical wires, 8-21
 in rooms, 8-18
 seat belts in aircraft, 7-18
 self-contained breathing apparatus (SCBA), 2-2
 senior fire official (SFO), 3-2
 See also aircraft emergencies, responding personnel, fire chief or SFO.
 SF-6. *See* hazardous material (HAZMAT), sulfurhexafluoride gas (SF-6).
 SFO. *See* senior fire official (SFO).
 shoulder harnesses in aircraft, 7-18
 smoke grenades. *See* fire prevention, using

flares and smoke grenades during an FTX.
smoking. *See* fire prevention, and smoking
during an FTX.

storage areas. *See* fire prevention, using
storage areas during an FTX.

structural fires

- building's protective equipment, 8-4
- building-content hazards, 8-4
- building-exposure problems, 8-4
- calculating water requirements for, 8-3
- causes for building collapse at, 8-3
- equipment for, 8-3
- fire-fighting mission, 8-1
- notification of, 8-2
- prefire plans, 8-1
 - information in, 8-1
- road conditions leading to, 8-3
- strategy and tactics at, 8-2
- time element, 8-4

sulfurhexafluoride gas (SF-6). *See* hazardous
material (HAZMAT), sulfurhexafluoride gas
(SF-6).

symbols

- for chemicals, 10-6
 - set 1, 10-6
 - set 2, 10-6
 - set 3, 10-6
- for fires, 10-3
- for nuclear weapons, 10-3
- for special hazards, 10-3
- for toxic chemicals, 10-3
- placement on buildings, 10-4
- placement on vehicles, 10-4
- placement on railcars, 10-4

T

TAACOM. *See* theater Army area command
(TAACOM).

table(s) of organization and equipment (TOE),
3-3

tactical petroleum terminal (TPT), 9-1

- fire-support mission, 9-1
- fire-suppression sets, 9-2
- other duties for fire-fighting teams, 9-2
- site design and fire equipment location, 9-1
- training for fire-fighting teams, 9-1

TEA. *See* triethylaluminum (TEA).

TEB. *See* hazardous material (HAZMAT),
triethylborine (TEB).

tents. *See* fire prevention, using tents during
an FTX.

theater Army area command (TAACOM), 4-1

theater of operation (TO), 2-1

theater storage area (TSA), 1-2

tire fires. *See* aircraft emergencies, wheel,
brake, and tire fires.

TO. *See* theater of operation (TO).

TOE. *See* table(s) of organization and
equipment (TOE).

TPT. *See* tactical petroleum terminal (TPT).

triethylaluminum (TEA), 7-14

triethylborine. *See* hazardous material,
triethylborine (TEB).

TSA. *See* theater storage area (TSA).

tunneling. *See* searching and rescuing victims,
by tunneling.

U

unexploded ordnance (UXO), 3-2, 4-3

dropped-munitions type, 10-13

hazards of, 10-13

projected-munitions type, 10-13

spot report for, 10-13

thrown- and placed-munitions type, 10-13

United States gallons (USG), 2-5

USG. *See* United States gallons (USG).

UXO. *See* unexploded ordnance (UXO).

V

vehicles

- information about and emergency, 8-22
- safety precautions during an operation,
8-21

vehicles. *See* fire prevention, using vehicles
during an FTX.

ventilating

roof openings, 8-15

roofs, 8-14

arch type, 8-15

flat type, 8-14

metal type, 8-15

pitched type, 8-14

using fog streams, 8-14

using portable fans, 8-14

ventilation, 8-11

cross, 8-12

forced, 8-14

horizontal, 8-12

sites, 8-16
vertical, 8-13
victim carries
 chair carry, 8-24
 extremities carry, 8-24
 fireman's carry, 8-23
 lone-rescue carry, 8-23
 one-man-supporting carry, 8-23
 severe-injuries carry, 8-24
 two-firefighter carry, 8-24
 two-man-supporting carry, 8-23
victim removal
 by dragging, 8-25
 using a ladder, 8-25
 using a stretcher, 8-25

W
walls. *See* building features, types of exterior walls; forcible entry, through walls.
war-consumable distribution objective (WCDO), 4-3
war-readiness spares kit (WRSK), 4-3
wartime
 mission. *See* fire protection, wartime mission.
 operations, 4-1

wartime tasks. *See* fire fighting, wartime tasks
water crashes. *See* aircraft emergencies, water crashes.
water supplies, 5-4, 6-1
 distribution system, 5-5
 distributors, 5-5
 primary feeders, 5-5
 secondary feeders, 5-5
 drafting sites, 6-2
 grid system, 5-5
 ground storage, 5-4
 high-level storage, 5-4
 nongrid system, 5-5
 primary source for an installation, 5-5
 requirements for, 5-4
 temporary points, 6-1
WCDO. *See* war-consumable distribution objective (WCDO).
wheel fires. *See* aircraft emergencies, wheel, brake, and tire fires.
wheels-up landings. *See* aircraft emergencies, wheels-up landings.
windows. *See* forcible entry, through windows.
WP. *See* hazardous material (HAZMAT), white phosphorus (WP).
WRSK. *See* war-readiness spares kits (WRSK).